

Title (en)

USE AS REFRIGERANT FOR COMPRESSOR, COMPRESSOR, AND REFRIGERATION CYCLE DEVICE

Title (de)

VERWENDUNG ALS KÄLTEMITTEL FÜR VERDICHTER, VERDICHTER UND KÄLTEKREISLAUFVORRICHTUNG

Title (fr)

UTILISATION EN TANT QUE RÉFRIGÉRANT POUR COMPRESSEUR, COMPRESSEUR ET DISPOSITIF À CYCLE DE RÉFRIGÉRATION

Publication

EP 4184078 A1 20230524 (EN)

Application

EP 21841811 A 20210706

Priority

- JP 2020121383 A 20200715
- JP 2021025498 W 20210706

Abstract (en)

The propagation of a disproportionation reaction of a refrigerant is suppressed. Disclosed is the use of a composition as a refrigerant in a compressor (21), in which the composition includes one or more compounds selected from the group consisting of ethylene-based fluoroolefins, 2,3,3,3-tetrafluoropropene (HFO-1234yf), and 1,3,3,3-tetrafluoropropene (HFO-1234ze), and the dimension of a gap (X, Y1, Y2, Z) of a predetermined portion through which the refrigerant flows around an ignition energy generation portion (86a, 98, 98b, 96, 91a, 93a, 84) in the compressor (21) is less than or equal to 2 mm.

IPC 8 full level

F25B 1/00 (2006.01); **C09K 5/04** (2006.01)

CPC (source: EP US)

C09K 5/045 (2013.01 - EP US); **C09K 2205/126** (2013.01 - EP US); **C09K 2205/22** (2013.01 - EP); **F04C 18/356** (2013.01 - EP); **F04C 2210/26** (2013.01 - EP); **F04C 2210/263** (2013.01 - EP); **F25B 13/00** (2013.01 - EP); **F25B 31/026** (2013.01 - EP); **F25B 2400/121** (2013.01 - EP); **F25B 2700/1931** (2013.01 - EP); **F25B 2700/1933** (2013.01 - EP); **F25B 2700/2104** (2013.01 - EP); **F25B 2700/2106** (2013.01 - EP); **F25B 2700/21151** (2013.01 - EP); **F25B 2700/21152** (2013.01 - EP); **F25B 2700/2116** (2013.01 - EP); **F25B 2700/2117** (2013.01 - EP); **Y02P 20/10** (2015.11 - EP)

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DOCDB simple family (publication)

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DOCDB simple family (application)

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